the first relationship descriptor and the first record descriptor.

- 4. The system of claim 3, wherein the logical connection between the first record descriptor and the first relationship descriptor comprises a symbolic pointer 5 from the first record descriptor to the first relationship descriptor.
- 5. The system of claim 4, wherein the first table is the parent table of the constraint and the second table is the dependent table of the constraint.
  - 6. The system of claim 5, further including:
  - a second record descriptor for describing the records of the second table, the second record descriptor which can be modified individually; and
  - wherein the means for accessing the first relationship descriptor further comprises a logical connection between the second record descriptor and the first relationship descriptor.
- 7. The system of claim 6, wherein the logical connection between the second record descriptor and the first relationship descriptor comprises a symbolic pointer from the second record descriptor to the first relationship descriptor.

- 8. The system of claim 1, further comprising:
- an index descriptor for describing a primary key index of the first table; and
- wherein the first relationship descriptor identifies the constraint's primary key by referencing the index descriptor.
- 9. The system of claim 8, where the first relationship descriptor references the index descriptor by a logical connection from the first relationship descriptor to the 10 index descriptor.
  - 10. The system of claim 9, wherein the logical connection from the first relationship descriptor to the index descriptor comprises a symbolic pointer.
- 11. The system of claim 1, wherein the first and secbeing a separate object within the data base system 15 ond relationship descriptors each include a delete rule having a value equal to any of "restrict," "set null," and "cascade," and wherein any relationship descriptor having a delete rule value of "restrict" precedes in the first and second chains any relationship descriptor hav-20 ing any other delete rule value.
  - 12. The system of claim 11, wherein any relationship descriptor having a delete rule value of "set null" precedes in the first and second chains any relationship descriptor having a delete rule value of "cascade." \* \* \* \*

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